

“

I feel like the luckiest person in the world because I learned this information and was able to act on it.

”



— Jodi  
New York, NY

# innovative DIAGNOSTICS

Innovative Diagnostics is a medically managed service practice led by a group of doctors and supported by a dedicated team of senior and experienced industry professionals. We are forging a new path and aspire to set industry benchmarks in doctor and patient experiences.

#### MAIN LABORATORY

Frontech Centre, Level 5-02  
15 Jalan Kilang Barat Singapore 159357  
Tel: 6235 6950 Fax: 6733 8563

#### STAT LABORATORY

Novena Specialist Center,  
Level 07-12 8 Sinaran Drive Singapore 307470  
Tel: 6734 0778 Fax: 6734 0773

#### STAT LABORATORY

Camden Medical Centre, Level 9-06  
1 Orchard Boulevard Singapore 248649  
Tel: 6333 6640 Fax: 6333 6642

[www.innovativelab.com.sg](http://www.innovativelab.com.sg)



## INHERITED CANCER SCREEN

For *BRCA1* and *BRCA2*



innovative  
DIAGNOSTICS

# THE INHERITED CANCER SCREEN

## WHAT IS THE INHERITED CANCER SCREEN FOR *BRCA1* AND *BRCA2*?

The Counsyl Inherited Cancer Screen, as prescribed by your doctor, can help determine whether you have an increased chance of developing breast, ovarian, prostate or other related cancers. The screen looks for mutations in two genes — *BRCA1* and *BRCA2*. If you are found to carry a mutation in one of these genes, there are important steps you can take to reduce your chance of developing cancer.

## WHY SHOULD I CONSIDER SCREENING?

### You or someone in your family has a History of cancer

About 5–10% of cancers are inherited. Some risk factors include:

- Early age of cancer diagnosis (generally less than 50 years)
- Cancer in multiple generations
- Rare cancers (such as ovarian cancer or male breast cancer)
- Multiple cancer types in a single relative
- Bilateral breast cancer
- Ashkenazi Jewish ancestry

## You can take steps to reduce your risk



Discovering that you have a *BRCA1* or *BRCA2* mutation allows you to take advantage of screening, medication and surgical options to detect cancer at an earlier stage or reduce your risk.



If you have already been diagnosed with cancer, you can take steps to reduce your risk of developing another cancer or use the results to help make treatment decisions.



## You can help your family

Your biological family members can benefit from knowing your screening results. If a *BRCA1* or *BRCA2* mutation is found in one family member, there is an increased chance that other relatives have the same mutation and may benefit from the same specialized screening and cancer risk-reducing options.

## WHAT ARE THE *BRCA* GENES?

Everyone is born with the *BRCA1* and *BRCA2* genes. If working properly, these genes protect you from cancer. A change, or “mutation,” in the genes can interfere with their ability to prevent cancer. As a result, people who test positive are more likely to develop cancer.

## IF I CARRY A *BRCA* MUTATION, WHAT TYPES OF CANCERS WOULD I BE AT RISK FOR DEVELOPING?

If you carry a mutation in either of the *BRCA* genes, you have a significantly increased chance of developing breast, ovarian, pancreatic and prostate cancers. For example, a woman who has a *BRCA* mutation can have up to an 85% chance of developing breast cancer. Men who have a *BRCA* mutation may have up to a 40% chance of developing prostate cancer. It is important to know that if you are found to carry a *BRCA* mutation, there are steps you can take to reduce your risk of cancer.



WOMEN

BREAST CANCER

50–85%

SECOND BREAST CANCER

40–60%

OVARIAN CANCER

20–45%



MEN

PROSTATE CANCER

16–40%

BREAST CANCER

2–10%



BOTH

PANCREATIC CANCER

2–10%

## HOW CAN I GET SCREENED?



The Counsyl Inherited Cancer Screen for *BRCA1* and *BRCA2* is a simple blood test prescribed by your physician. Results become available in approximately 2 weeks.

Each year, about 7.6 million people across the globe lose their lives to breast cancer. About 30 percent of breast cancer cases can be avoided if the cancer is detected in early stages. Everywhere you turn there is a mother, daughter, sister, or friend who has been affected by breast cancer.

— A Cancer Previvor